

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
24 March 2005 (24.03.2005)

PCT

(10) International Publication Number  
**WO 2005/025309 A1**

(51) International Patent Classification<sup>7</sup>: **A01K 61/00,**  
G06M 7/00

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,  
ZW.

(21) International Application Number:  
**PCT/NO2004/000241**

(22) International Filing Date: 11 August 2004 (11.08.2004)

(25) Filing Language: Norwegian

(26) Publication Language: English

(30) Priority Data:  
20033537 11 August 2003 (11.08.2003) NO

(71) Applicants and

(72) Inventors: **LILLERUD, Kristian [NO/NO]; N-6523 Frei (NO).** **WAAGSBÖ, Erling [NO/NO]; N-6523 Frei (NO).**

(74) Agent: **CURON AS; Box 38, N-7231 Lundamo (NO).**

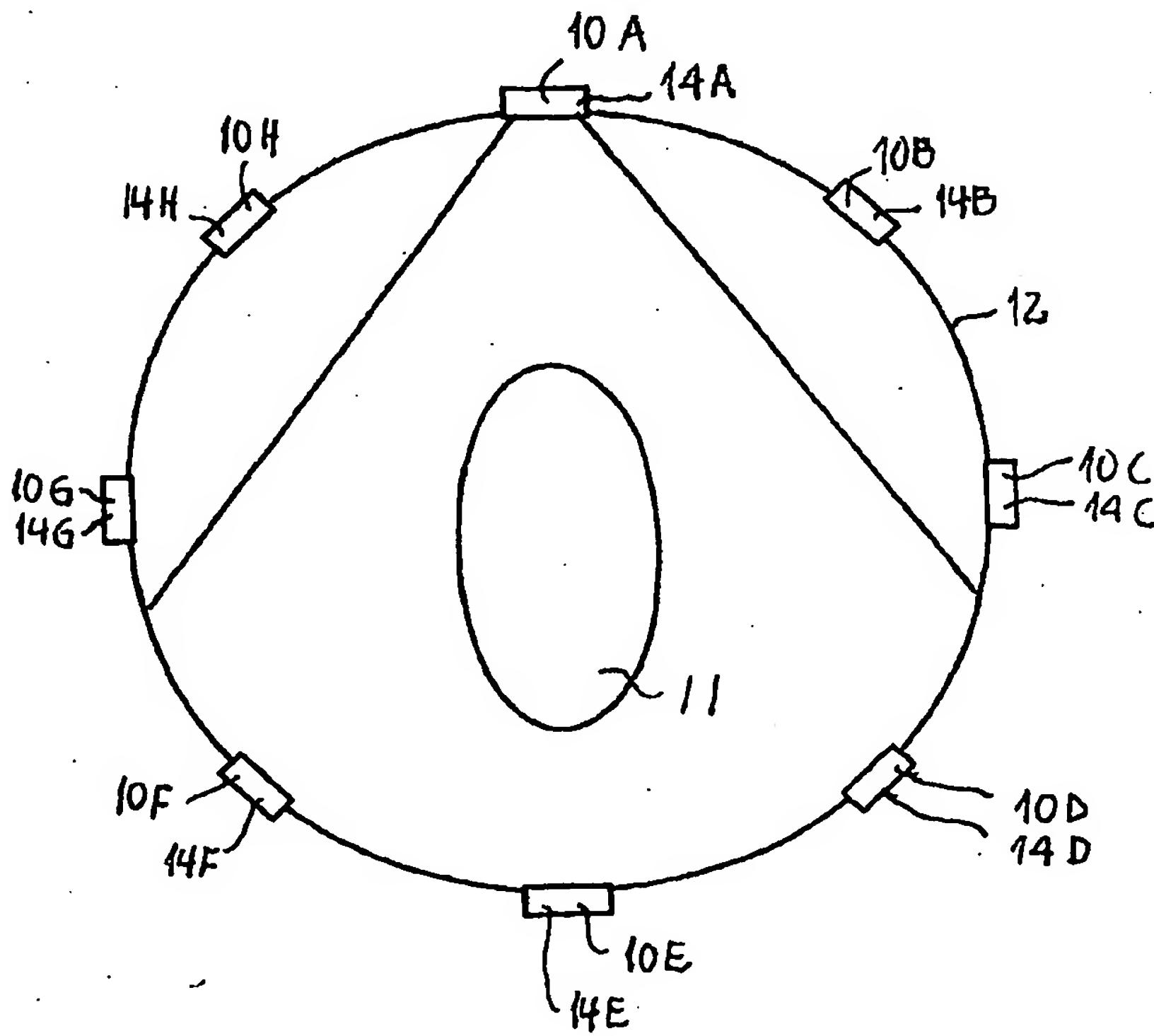
(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:  
— with international search report

*[Continued on next page]*

(54) Title: METHOD AND DEVICE FOR RECORDING AND DETERMINING THE WEIGHT OF FISH



(57) Abstract: A method for the recording and estimation of the weight of fish. A number of cameras, especially CCD-cameras, record pictures of fish moving by the cameras in a transfer conduit. The fish is illuminated from different sides in the transfer conduit and pictures of different parts of the fish are recorded by a sequence control, in such a way that a compound image recording is made, which is used as a base for an estimation of the weight of the fish. A device to make measurements on fish 11, moving in a transfer conduit 12, that has at least two light sources 14 at the wall of the transfer conduit, for illumination of fish, and two or several cameras 10, especially CCD-cameras, arranged in a cross plane evenly around the circumference, to record reflections from the fish or shadow pictures of the fish.

WO 2005/025309 A1